

IN THE CLAIMS:

1. (Currently amended) A method of actively scheduling a time based event driven process, comprising:

receiving status update information;

adapting an initial schedule of the time based event driven process based on the status update information to thereby generate an adapted schedule; and

modifying the adapted schedule based on historical information to thereby generate a modified schedule for the time based event driven process;

determining if the status update information indicates that an event has been resolved within a window of opportunity associated with the event; and

performing the steps of adapting and modifying only when the event has not been resolved within the window of opportunity.

2. (Original) The method of claim 1, wherein the status update information is received from a remote device.

3. (Original) The method of claim 1, further comprising outputting the modified schedule for the time based event driven process.

4. (Original) The method of claim 3, wherein the modified schedule for the time based event driven process is output to a client device.

5. (Original) The method of claim 3, wherein the modified schedule for the time based event driven process is output using a smartcard.

6. (Original) The method of claim 1, wherein at least one of the steps of adapting an initial schedule and modifying the adapted schedule are performed using one or more scheduling rules.

7. (Original) The method of claim 1, further comprising transmitting a request for current status information to a remote device, wherein the status update information is received from the remote device in response to the request for current status information being received by the remote device.

8. (Cancelled)

9. (Original) The method of claim 1, wherein modifying the adapted schedule based on historical information includes predicting whether another event will interfere with an event in the adapted schedule based on the historical information.

10. (Original) The method of claim 1, further comprising:
determining if two or more events of the modified schedule may be combined;
and
combining the two or more events into a combined event if it is determined that the two or more events may be combined.

11. (Currently amended) A computer program product in a computer readable medium for actively scheduling a time based event driven process, comprising:
first instructions for receiving status update information;
second instructions for adapting an initial schedule of the time based event driven process based on the status update information to thereby generate an adapted schedule;
and
third instructions for modifying the adapted schedule based on historical information to thereby generate a modified schedule for the time based event driven process;
fourth instructions for determining if the status update information indicates that an event has been resolved within a window of opportunity associated with the event; and
fifth instructions for performing the steps of adapting and modifying only when the event has not been resolved within the window of opportunity.

12. (Original) The computer program product of claim 11, wherein the status update information is received from a remote device.
13. (Original) The computer program product of claim 11, further comprising fourth instructions for outputting the modified schedule for the time based event driven process.
14. (Original) The computer program product of claim 13, wherein the modified schedule for the time based event driven process is output to a client device.
15. (Original) The computer program product of claim 13, wherein the modified schedule for the time based event driven process is output using a smartcard.
16. (Original) The computer program product of claim 11, wherein at least one of the second instructions and the third instructions are executed using one or more scheduling rules.
17. (Original) The computer program product of claim 11, further comprising fourth instructions for transmitting a request for current status information to a remote device.
18. (Cancelled)
19. (Original) The computer program product of claim 11, wherein the third instructions include instructions for predicting whether another event will interfere with an event in the adapted schedule based on the historical information.
20. (Original) The computer program product of claim 11, further comprising:
fourth instructions for determining if two or more events of the modified schedule may be combined; and
fifth instructions for combining the two or more events into a combined event if it is determined that the two or more events may be combined.

21. (Currently amended) An apparatus for actively scheduling a time based event driven process, comprising:

a remote device interface that receives status update information; and

a controller coupled to the remote device interface, wherein the controller adapts an initial schedule of the time based event driven process based on the status update information to thereby generate an adapted schedule, and modifies the adapted schedule based on historical information to thereby generate a modified schedule for the time based event driven process, determines if the status update information indicates that an event has been resolved within a window of opportunity associated with the event and adapts the initial schedule and modifies the adapted schedule only when the event has not been resolved within the window of opportunity.

22. (Original) The apparatus of claim 21, wherein the status update information is received from a remote device.

23. (Original) The apparatus of claim 21, further comprising an output device that outputs the modified schedule for the time based event driven process.

24. (Original) The apparatus of claim 23, wherein the output device is a display device that displays the modified schedule for the time based event driven process.

25. (Original) The apparatus of claim 23, wherein the output device is a smartcard device which encodes the schedule on a smartcard.

26. (Original) The apparatus of claim 21, wherein the controller uses one or more scheduling rules to perform at least one of adapting an initial schedule and modifying the adapted schedule.

27. (Original) The apparatus of claim 21, wherein the controller transmits a request for current status information to a remote device via the remote device interface, and

wherein the status update information is received from the remote device in response to the request for current status information being received by the remote device.

28. (Cancelled)

29. (Original) The apparatus of claim 21, wherein the controller modifies the adapted schedule based on historical information by predicting whether another event will interfere with an event in the adapted schedule based on the historical information.

30. (Original) The apparatus of claim 21, wherein the controller determines if two or more events of the modified schedule may be combined and combines the two or more events into a combined event if it is determined that the two or more events may be combined.

31. (Currently amended) The method of claim 1, A method of actively scheduling a time based event driven process, comprising:

receiving status update information;

adapting an initial schedule of the time based event driven process based on the status update information to thereby generate an adapted schedule; and

modifying the adapted schedule based on historical information to thereby generate a modified schedule for the time based event driven process, wherein the time based event driven process includes a plurality of scheduled events, wherein a change to a performance time of one scheduled event affects a performance of another scheduled event at its initially scheduled time of performance, and wherein adapting the initial schedule of the time based event driven process includes:

modifying a time of performance of a first scheduled event in the plurality of scheduled events to be a first modified time of performance; and

modifying a time of performance of a second scheduled event in the plurality of scheduled events based on the modification to the time of the first scheduled event to be a second modified time of performance, and

wherein modifying the adapted schedule based on historical information to generate a modified schedule for the time based event driven process includes modifying at least one of the first modified time of performance and the second modified time of performance to be a third modified time of performance.

32. (Currently amended) The computer program product of claim 11. A computer program product in a computer readable medium for actively scheduling a time based event driven process, comprising:

first instructions for receiving status update information;
second instructions for adapting an initial schedule of the time based event driven process based on the status update information to thereby generate an adapted schedule;
and

third instructions for modifying the adapted schedule based on historical information to thereby generate a modified schedule for the time based event driven process, wherein the time based event driven process includes a plurality of scheduled events, wherein a change to a performance time of one scheduled event affects a performance of another scheduled event at its initially scheduled time of performance, and wherein the second instructions for adapting the initial schedule of the time based event driven process include:

instructions for modifying a time of performance of a first scheduled event in the plurality of scheduled events to be a first modified time of performance;
and

instructions for modifying a time of performance of a second scheduled event in the plurality of scheduled events based on the modification to the time of the first scheduled event to be a second modified time of performance, and wherein the third instructions for modifying the adapted schedule based on historical information to generate a modified schedule for the time based event driven process include instructions for modifying at least one of the first modified time of performance and the second modified time of performance to be a third modified time of performance.

33. (Currently amended) ~~The apparatus of claim 21~~ An apparatus for actively scheduling a time based event driven process, comprising:
a remote device interface that receiving status update information; and
a controller coupled to the remote device interface, wherein the controller adapts
an initial schedule of the time based event driven process based on the status update
information to thereby generate an adapted schedule, and modifies the adapted schedule
based on historical information to thereby generate a modified schedule for the time
based event driven process, wherein the time based event driven process includes a
plurality of scheduled events, wherein a change to a performance time of one scheduled
event affects a performance of another scheduled event at its initially scheduled time of
performance, and wherein the controller adapts the initial schedule of the time based
event driven process by:

modifying a time of performance of a first scheduled event in the plurality
of scheduled events to be a first modified time of performance; and

modifying a time of performance of a second scheduled event in the
plurality of scheduled events based on the modification to the time of the first
scheduled event to be a second modified time of performance, and

wherein the controller modifies the adapted schedule based on historical
information to generate a modified schedule for the time based event driven process by
modifying at least one of the first modified time of performance and the second modified
time of performance to be a third modified time of performance.